In the Claims

Please amend the claims to read as follows:

What is claimed is:

1) (Currently amended) A laminate construction, able to provide ~~an~~ a non-reversible image in gray scale, imaged by means of applying concentrations of heat to said laminate construction, where said laminate construction comprises the following sequence of layers:

   a) a first non-cavitated thermoplastic film layer, having a first and a second surface wherein the thermoplastic film is selected from the group consisting of polyester, polyethylene, polypropylene, polycarbonate, and/or other known polyolefins and combinations thereof;

   b) an active direct thermal layer, having a first and a second surface, overlying said first surface of the thermoplastic film, said active direct thermal layer having a non-reversible color developing mechanism reactive to transmissions of heat through either the first or second surface of the active direct thermal layer for forming images within the active direct thermal layer; and

   c) a radiation-curable topcoat applied to said first surface of the active direct thermal layer;

   d) an acrylic adhesive layer having a first and a second surface, wherein the first surface of the adhesive is applied to the second surface of the first non-cavitated thermoplastic film layer;

e) a second non-cavitated thermoplastic film layer having a first and a second surface and is applied to the second surface of said acrylic adhesive layer; and

f) a direct thermal topcoat applied to the first surface of the active direct thermal layer of the laminate.

2) (Canceled).

3) (Canceled).

4) (Canceled).

5) (Currently amended) The laminate construction of claim 1 wherein the laminate further comprises:

   a) a color print/sensor mark, having a first and second surface, applied to the second surface of the second thermoplastic film layer;

   b) ~~a second~~ an additional acrylic adhesive layer, having a first and second surface, applied to the second surface of the colorprint/sensor mark; and

   c) a translucent polyolefin layer applied to the second surface of the second adhesive layer.

6) (Original) The laminate construction of claim 5 wherein the laminate further comprises one or more color coating layers applied to the first surface of the direct thermal topcoat layer.

7) (Original) The laminate construction of claim 6 wherein the first thermoplastic layer is a high density polyethylene film.

8) (Original) The laminate construction of claim 7 wherein the second thermoplastic layer is a high density polyethylene film.

9) (Currently amended) A laminated wristband able to be direct thermally imaged with a non-reversible image in gray scale, which comprises the following sequence of layers:

a) a cross-linkable radiation-curable clear topcoat;

b) a color print layer;

c) a direct thermal topcoat layer;

d) an active direct thermal layer, said active direct thermal layer having a color developing mechanism reactive to transmissions of heat through either the first or second surface of the active direct thermal layer for forming images within the active direct thermal layer;

e) a first thermoplastic film layer comprising a non-cavitated high density polyethylene film;

f) a first acrylic adhesive layer;

g) a second thermoplastic layer comprising a non-cavitated polypropylene/high density polyethylene film;

h) a color print/sensor mark;

i) a second acrylic adhesive layer; and

j) a translucent polyolefin layer.

10) (Original) The wristband of claim 9 wherein a binder layer is inserted between the first thermoplastic film layer and the active direct thermal layer.

11) (Original) The wristband of claim 9, wherein said wristband is used for temporary identification purposes.

12) (Original) The wristband of claim 11 wherein said wristband contains a photograph directly printed on the wristband as well as other pertinent data.

13) (Currently Amended) A process for forming a gray scale, non-reversible, thermally imaged multi-layered laminated wristband comprising:

a) forming a first construction by coating a first surface of a ~~first~~ non-cavitated thermoplastic film layer with an active direct thermal layer and applying to a first surface of the active direct thermal layer a direct thermal top coat;

b) forming a second construction by applying a radiation-curable topcoat layer to a color printed layer;

c) forming a third construction by applying an acrylic adhesive layer to a first surface of a second thermoplastic film layer and applying a colorprint/sensor mark to a second surface of the second thermoplastic film layer;

d) forming a fourth construction by applying an acrylic adhesive layer to a translucent polyolefin layer;

e) forming a first intermediate by adhering the direct thermal top coat layer of said first construction to the color printed layer of said second construction;

f) forming a second intermediate by adhering the color print sensor mark of said third construction to the acrylic adhesive layer of said fourth construction;

g) forming said laminated wristband by adhering the thermoplastic layer of said first intermediate to the acrylic adhesive layer of said second intermediate.

14) (Canceled).

15) (Original) A method of direct thermal printing the laminate of claim 1 including the step of applying concentrations of heat to said first surface of active direct thermal layer, resulting in the formation of images within said active direct thermal layer.

16) (Canceled).

17) (Canceled).

18) (Canceled).

19) (Currently Amended) A laminated wristband, able to be thermally imaged, comprising the following sequence of layers ~~The laminate construction of claim 18 wherein the laminate further comprises~~:

a) a first non-cavitated thermoplastic film layer, having a first and a second surface wherein the thermoplastic film is an opaque high density polyethylene film;

b) an active direct thermal layer, having a first and a second surface, overlying said first surface of the thermoplastic film, said active direct thermal layer having a color developing mechanism reactive to transmissions of heat through either the first or second surface of the active direct thermal layer for forming images within the active direct thermal layer, and said active direct thermal layer also having a direct thermal topcoat, applied to the first surface of the active direct thermal layer;

c) one or more color coating layers, having a first and second surface, applied to the first surface of the active direct thermal topcoat layer;

d) a radiation-curable topcoat applied to the first surface of the color coating layers;

e) a first acrylic adhesive layer, having a first and second surface, that is applied to the second surface of the first thermoplastic film layer;

f) a second non-cavitated, opaque high density polyethylene thermoplastic film layer having a first and a second surface and is applied to the second surface of said first acrylic adhesive layer;

g) a color print/sensor mark layer, having a first and a second surface, applied to the second surface of the second thermoplastic film layer;

h) a second acrylic adhesive layer, having a first and second surface, applied to the second surface of the colorprint/sensor mark layer; and

i) a translucent polyolefin layer applied to the second surface of the second acrylic adhesive layer.

20) (Currently Amended) A laminated temporary personal identification device ~~film~~, able to be imaged by means of applying concentrations of heat to said laminate construction in order to form a non-reversible image in gray scale, where said laminate construction comprises the following sequence of layers:

a) a ~~first~~ non-cavitated thermoplastic film layer, having a first and a second surface wherein the thermoplastic film is an opaque, high density polyethylene;

b) ~~an~~ a non-reversible active direct thermal layer, having a first and a second surface, overlying said first surface of the thermoplastic film, said active direct thermal layer having a color developing mechanism reactive to transmissions of heat through either the first or second surface of the active direct thermal layer for forming images within the active direct thermal layer;

c) a direct thermal topcoat, having a first and a second surface, applied to the first surface of the active direct thermal layer of the laminate;

d) a radiation-curable topcoat applied to said first surface of the ~~active~~ direct thermal topcoat layer;

e) an acrylic adhesive layer that is applied to the second surface of the thermoplastic film layer;

f) an additional non-cavitated polyethylene thermoplastic film layer, having a first and a second surface, and is applied to the second surface of said acrylic layer;

g) a color print/sensor mark, having a first and second surface, applied to the second surface of the additional thermoplastic film layer;

h) an additional acrylic adhesive layer, having a first and second surface, applied to the second surface of the colorprint/sensor mark;

i) a translucent polyolefin layer applied to the second surface of the ~~second~~ additional adhesive layer; and

j) one or more color coating layers applied to the first surface of the direct thermal layer topcoat.

21) (Canceled).

22) (Canceled)

23) (Canceled)

24) (Canceled).